

DDM04-010

RESP1

2

IN THE SPECIFICATION

Please replace the paragraph beginning at page 5, line 9 with the following:

Refrigerant is provided to compressor 12 at a compressor intake 50. Compressed refrigerant is output or exhausted by compressor 12 at a compressor exhaust 52. Compressed refrigerant proceeds from compressor exhaust 52 to condenser intake 54. Refrigerant condenses within condenser 16 to a saturated condition within condenser 16 and is further subcooled below saturation condition of the refrigerant. Refrigerant is exhausted from ~~condenser 196~~ condenser 16 at a condenser exhaust 56 in a liquid state and traverses fluid line 22 to expansion valve 24. Refrigerant leaves expansion valve 24 via fluid line 26 and enters evaporator 14. Blower fan 28 draws cold air from about an evaporator coil 15 in evaporator 14 to provide cool air to building interior space 42. Refrigerant is exhausted from evaporator 14 via fluid line 18 to return to compressor intake 50.

Please replace the paragraph beginning at page 7, line 25 with the following:

Control unit 44 may be co-located with cooling system 10. Alternatively, control system 44 may be remotely ~~co-located~~ located from cooling system 10 (not shown in FIG. 1). In yet another alternate configuration, control unit 44 may be co-located with cooling system 10 but ~~may be~~ may be in communication with a remote station (not shown in FIG. 1) and respond to commands from the remote station. Communication among control unit 44, valve control unit 70 and a remote location (if provided) may be carried out via a wired connection or via wireless connection (as indicated at connection locus 72). Evaluation of operation of cooling system 10 may be carried out from the remote location. Refrigerant may be added on command from the remote location if desired. Alternatively, cooling system 10 may be configured to permit return of refrigerant to reservoir 75 when control unit 44 determines that subcooling has cooled the refrigerant to too cool a temperature.